

FIG.1
Related Art

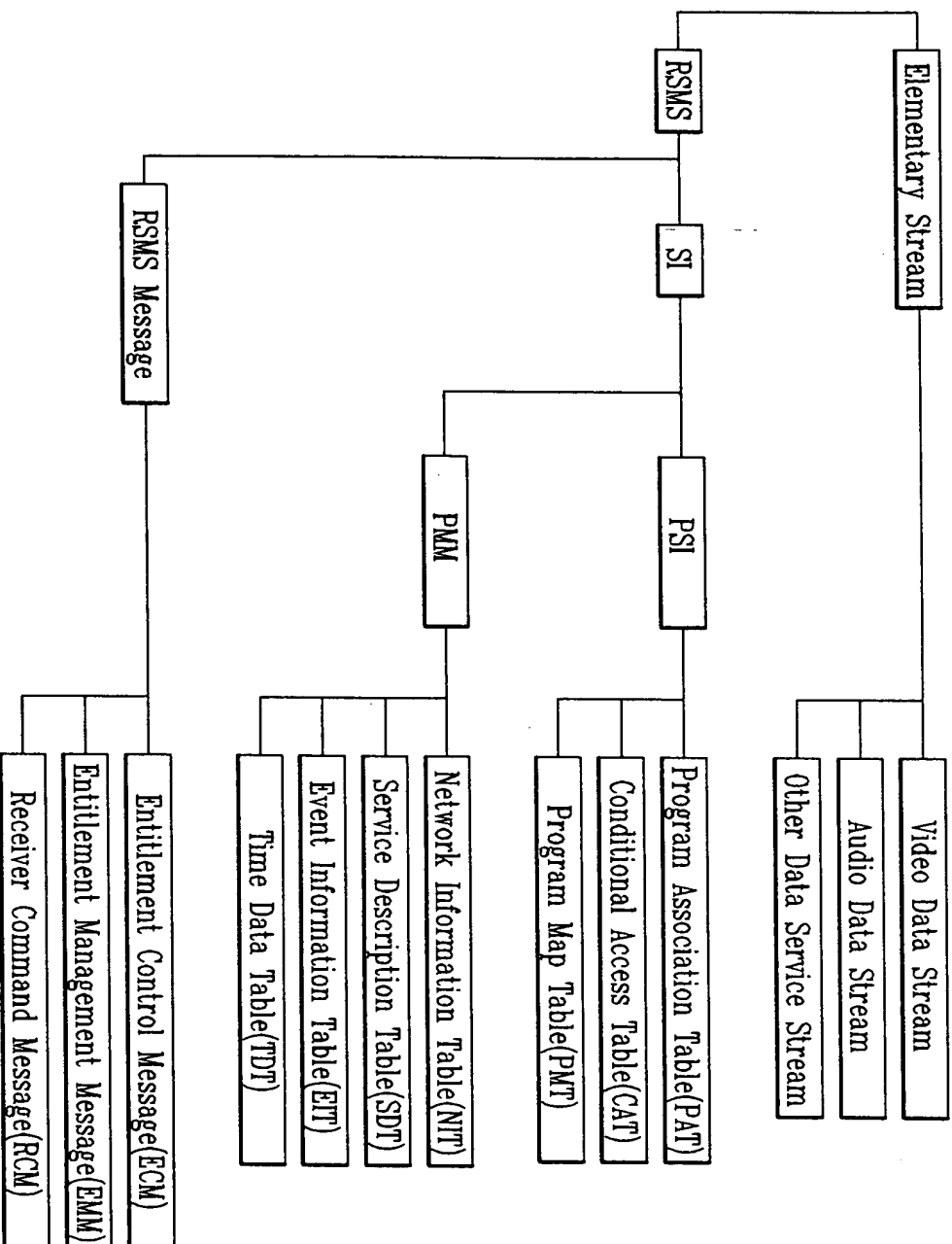
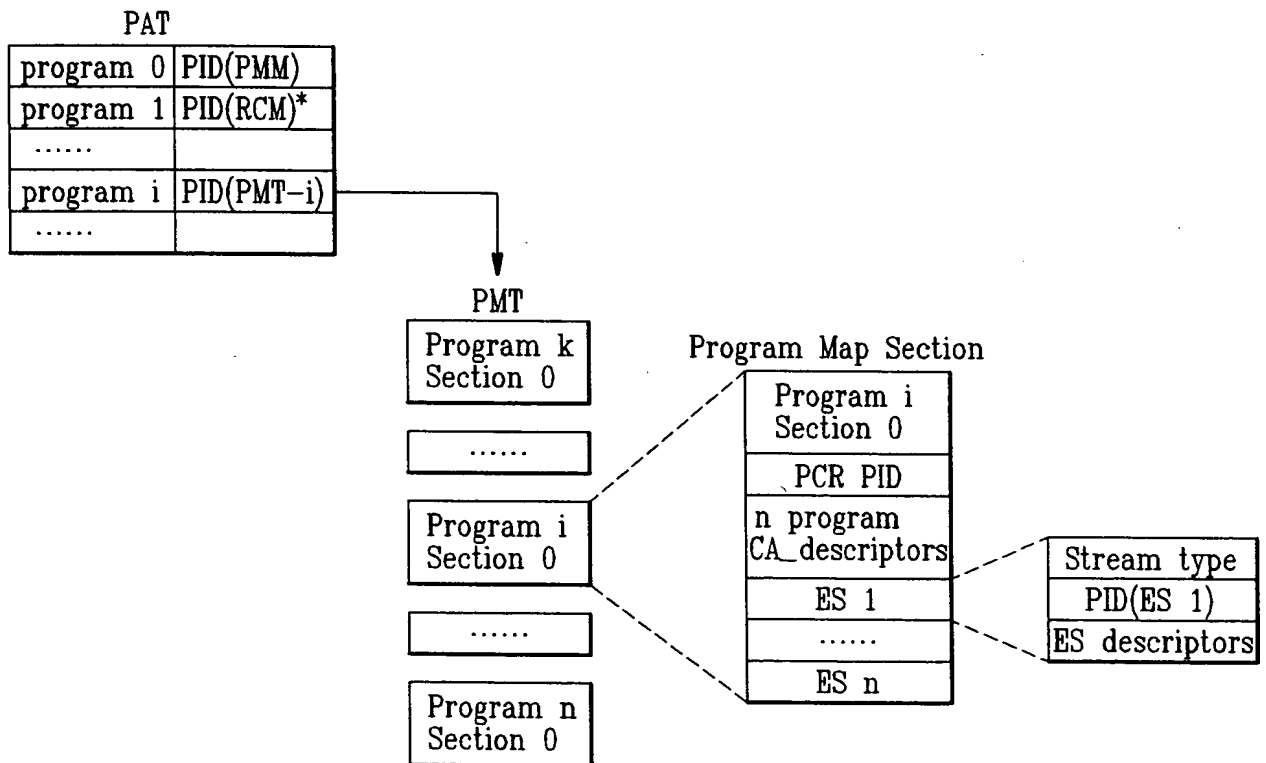


FIG.2
Related Art



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FIG.3A
Related Art

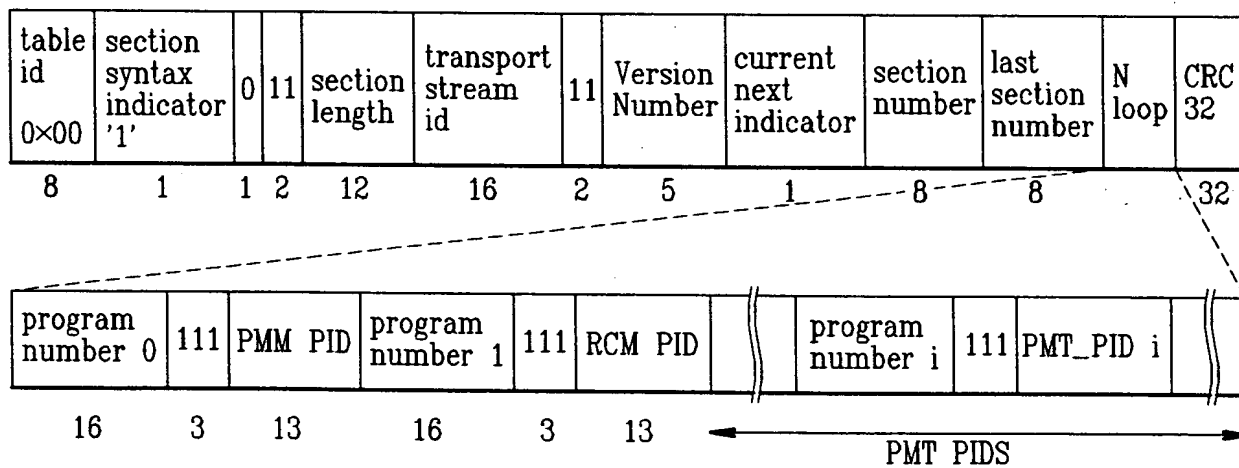


FIG.3B
Related Art

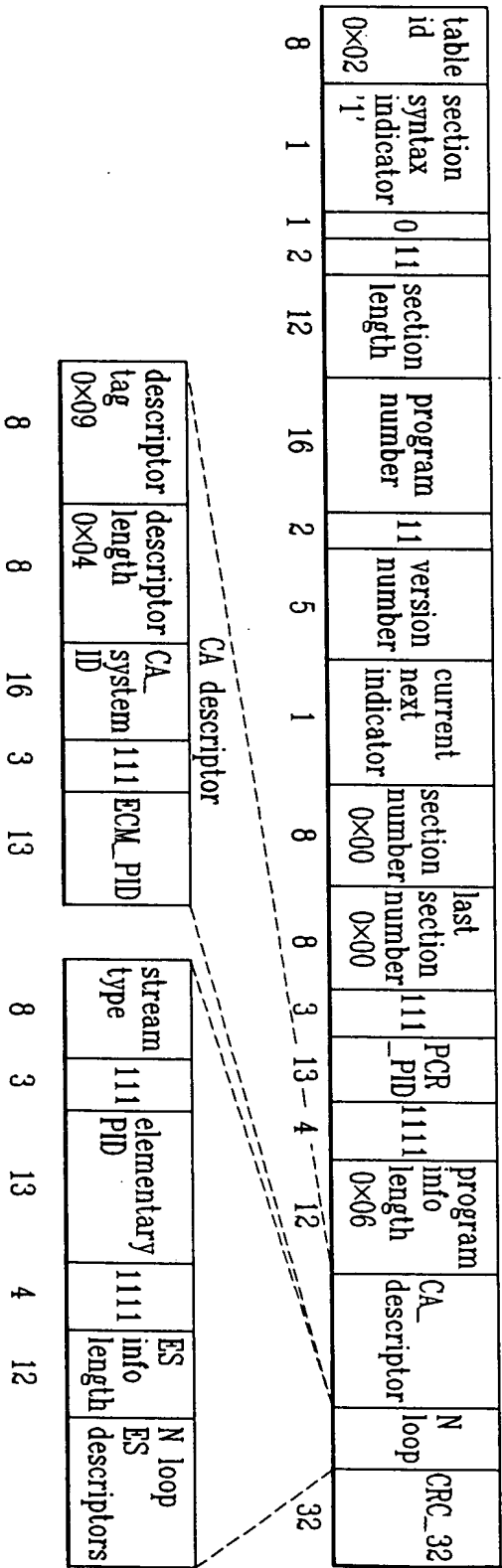


FIG.4

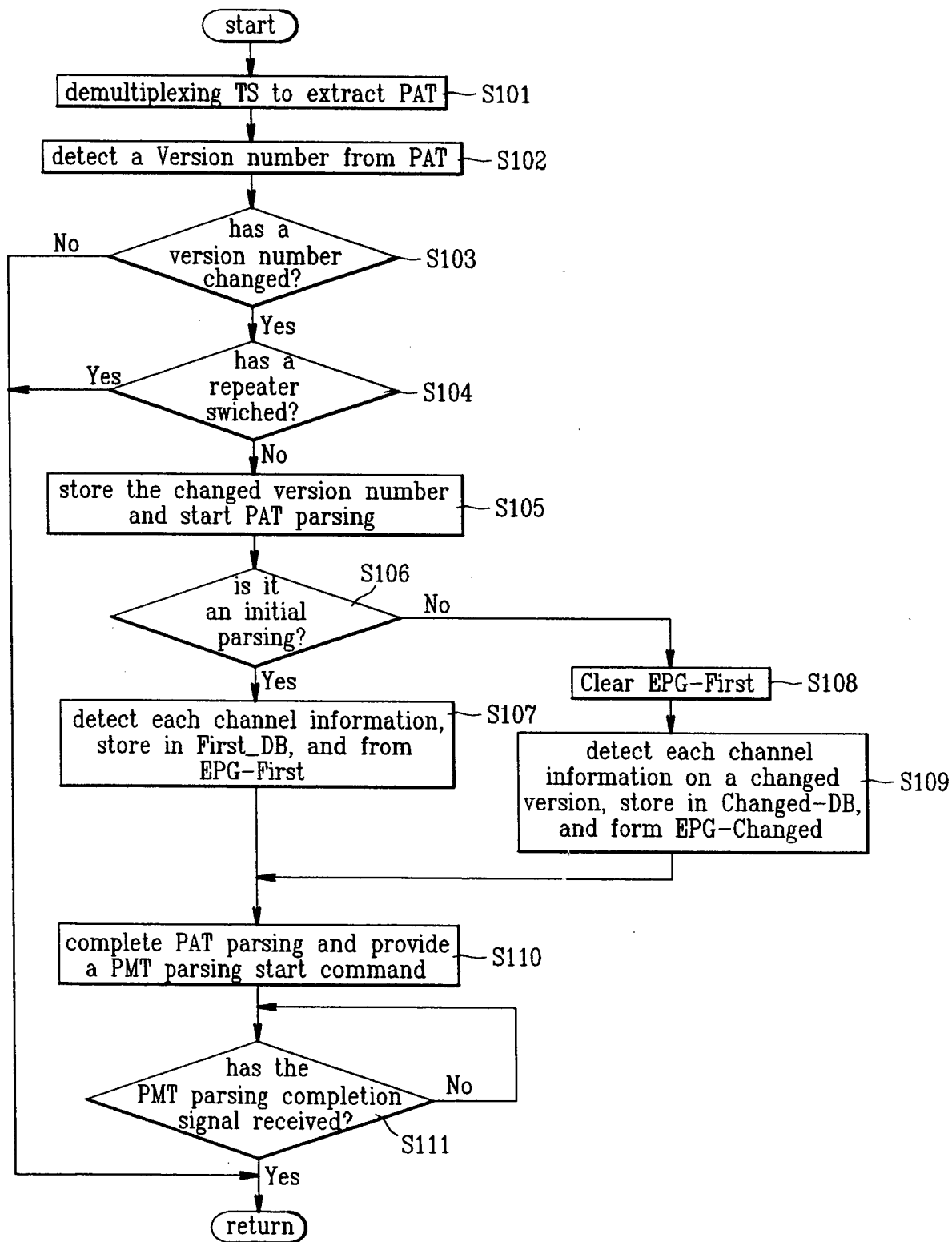


FIG.5

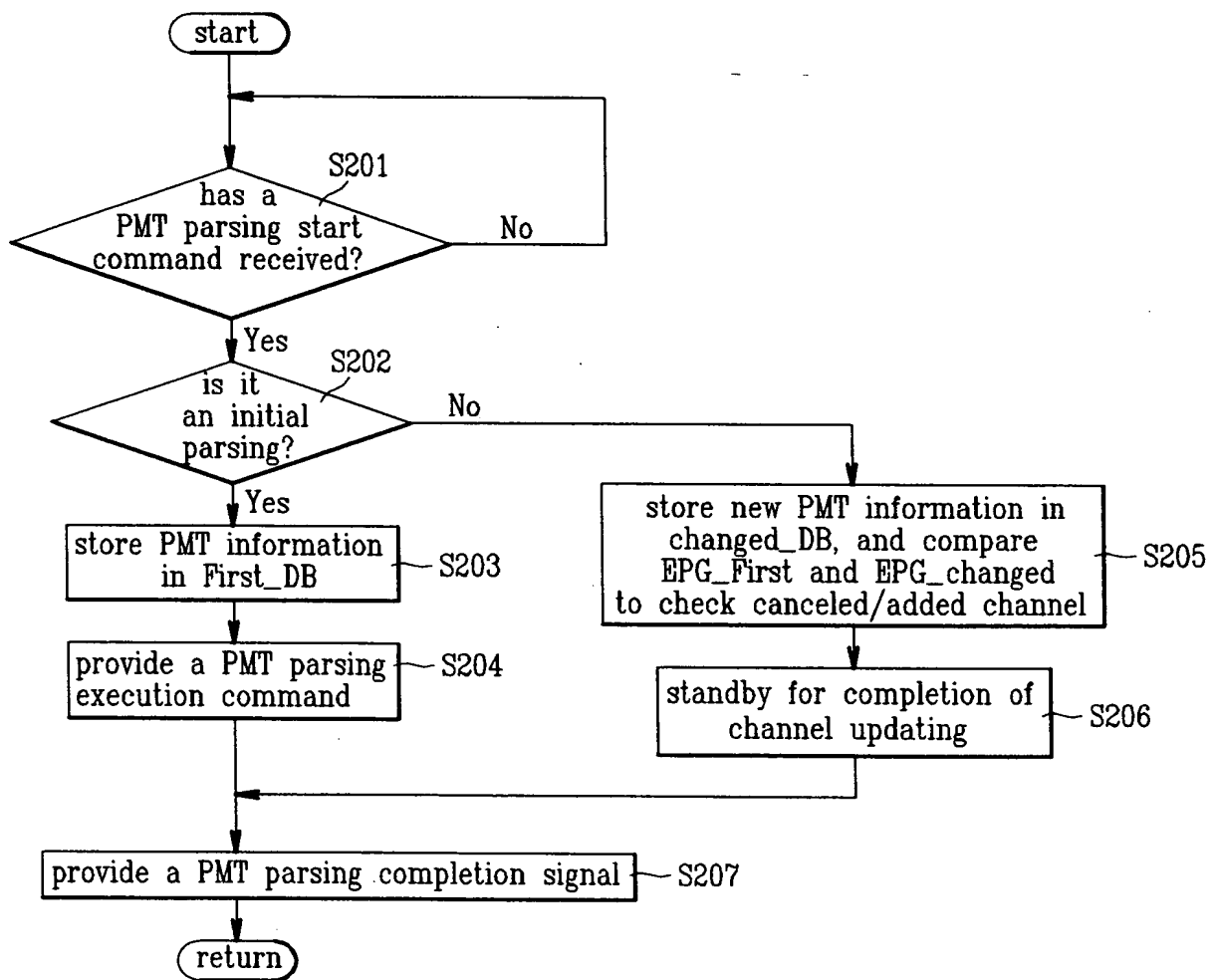


FIG.6A

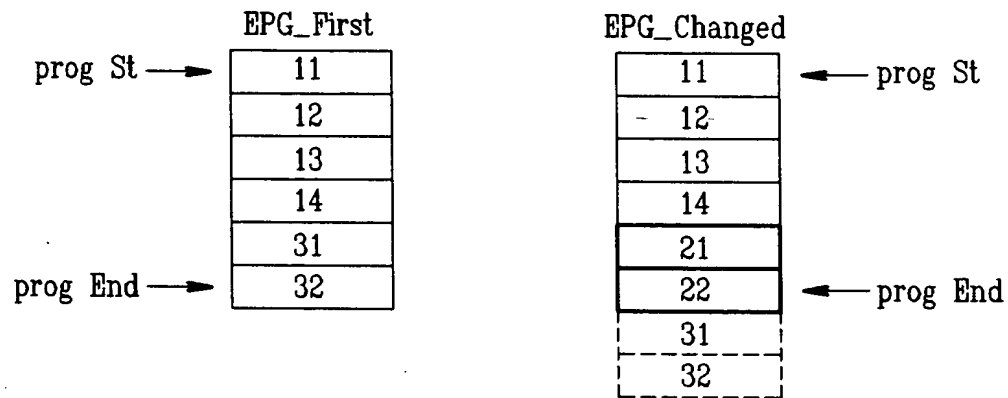


FIG.6B

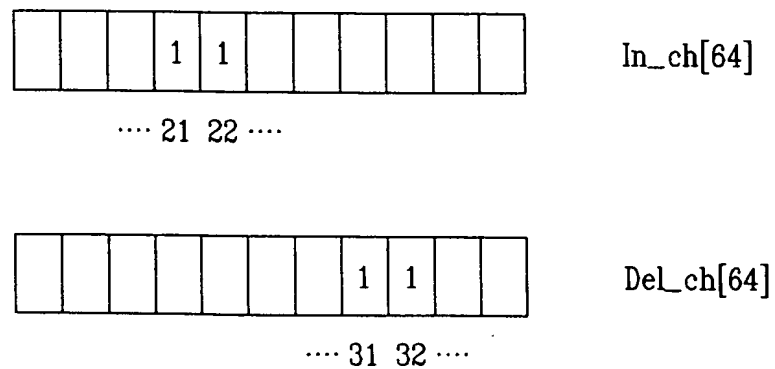


FIG.7

```

PROGRAM *progCur *buf_progCut;

progCur = EPG_First->progSt; /*designate a start channel in EPG_First as progCur */
while( progCur !=NULL ) { /* check channel cancel*/
    buf_progCur = EPG_Changed->progSt; /* designate a start channel in EPG_Channel as buf_progCur */
    while( buf_progCur != NULL ) {
        if( progCur->progNum == buf_progCur->progNum )
            break; /* no channel information change */
        buf_progCur = buf_progCur->progNext;
    }
    if(buf_progCur == NULL)
        Del_Ch[progCur->ch_no] = 1; /* setting canceled channel to '1' */
    progCur = progCur->progNext;
}

buf_progCur = EPG_Changed->progSt; /* designate a start channel in EPG_Changed as buf_progCur */
while( buf_progCur !=NULL ) { /* check addition of channel */
    progCur = EPG_First->progSt; /* designate a start channel in EPG_First as progCur */
    while(progCur != NULL) {
        if( buf_progCur->progNum == progCur->progNum )
            break; /* no channel information change */
        progCur = progCur->progNext;
    }
    if(progCur == NULL)
        In_Ch[buf_progCur->ch_no] = 1; /*check addition of channel*/
    buf_progCur = buf_progCur->progNext;
}
Ver_Ch_pat_pmt = TRUE;
/* a FLAG informing to a key handling process that channel
cancelation and addition checks are finished */

```

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FIG.8

```

switch( key )
{
    case HOT_KEY and channel UP, DOWN KEY:
        /* taking action required by a key input */
        break;

    default: /* a motion picture without key input */
        if(Ver_Ch_pat_pmt && !evt_del_mode && !Del_Ch[curProg->ch_no] && !EIT_ON)
        { /* re-anrange DB when 4 conditions are satisfied */

            disconnect connection to a canceled channel and connect to an added channel;

            SemSignal(done_update_ch);
            /* as channel information updated, teturn to version chack process */
        }
        break;
}

```